

FT Patents

12/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01485390

INFLATABLE NEURAL PROSTHESIS

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date):

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APPLICATION (CC, No, Date): EP 2001985476 011120; WO 2001US43241 011120

PRIORITY (CC, No, Date): US 717738 001121

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61F-009/00

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021106 A2 International application. (Art. 158(1))

Application: 021106 A2 International application entering European
phase

LANGUAGE (Publication,Procedural,Application): English; English; English

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Date

12/5,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00958277 **Image available**

STENT COMPRISING A DRUG RELEASE COATING THEREON AND DELIVERING SYSTEM
THEREOF

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200291956 A1 20021121 (WO 0291956)

Application: WO 2001BR105 20010822 (PCT/WO BR0100105)

Priority Application: BR 20013255 20010516

Designated States: AE AU BG CA CN CO CR CU CZ HU IL IS JP KP KR MX NO NZ PL
RO SG SK UA US YU ZA

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61F-002/06

Publication Language: English

Filing Language: English

English Abstract

A tubular cylindrical prosthetic device (50), in other words an
implantable metallic stent for grafting into the human body, presenting
an intraluminal delivering system and being expandable into a second
shape by a balloon catheter (25), associated to a drug releasing

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biological outer coating (32), providing the function of slow and controlled liberation of antiproliferative and antithrombotic drugs, which are stores in various microcapsules (36), said microcapsules (36) being dispersed inside a slow releasing matrix (35). The device (50) presents a limited number of rings (45), formed by transversal rods (29). The transversal rods (29) are connected by longitudinal ligaments (12), disposed along the longitudinal axis of the prosthesis, in an intercepted way. The ligaments (12) are interconnected to the wire mesh tube with spheres of radioactive components (10). The intraluminal delivering system comprises a conventional floppy guidewire (17) for delivering the outer coating (32) in the body passageway, and a balloon catheter (25) attached to the prosthesis in a collapsed state thereon.

Legal Status (Type, Date, Text)

Publication 20021121 A1 With international search report.

Claim

... prosthesis is expanded, and 0.76 mm in length, when the one is still not **inflated**. A circumferential perimeter of 5.33 mm is nearly acquired in its first shape, which 4 wherein said the 4 mm **prosthesis**, whatever length is present (12mm, **Brain** or 24mm), the first and last rings (45) will compulsorily comprise 7 (seven) longitudinal ligaments...

12/5,K/6 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00908137 **Image available**

INFLATABLE NEURAL PROSTHESIS

PROTHESE NEURONALE GONFLABLE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200241814 A2-A3 20020530 (WO 0241814)

Application: WO 2001US43241 20011120 (PCT/WO US0143241)

Priority Application: US 2000717738 20001121

Designated States: CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61F-002/14

Publication Language: English

Filing Language: English

English Abstract

Neural prosthesis (10) for **implantation** within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported (16) by the substrate. At least one microchannel (18) is disposed within the substrate. Upon **inflation**, the foldable substrate will unfold to provide for close contact of the electronic

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component with **neural** tissue, thus facilitating surgical **implantation** through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20030130 Late publication of international search report

Republication 20030130 A3 With international search report.

Examination 20030501 Request for preliminary examination prior to end of 19th month from priority date

12/5,K/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00908083 **Image available**

INFLATABLE NEURAL PROSTHESIS

PROTHESE NEURALE GONFLABLE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200241754 A2 20020530 (WO 0241754)

Application: WO 2001US43343 20011119 (PCT/WO US0143343)

Priority Application: US 2000717738 20001121

Designated States: CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: A61B

Publication Language: English

Filing Language: English

English Abstract

Neural prosthesis for **implantation** within an eye. The prosthesis includes a foldable substrate and at least one electronic component supported by the substrate. At least one microchannel is disposed within the substrate. Upon **inflation**, the foldable substrate will unfold to provide for close contact of the electronic component with **neural** tissue, thus facilitating surgical **implantation** through a narrow incision, yet allowing the unfolded device to cover a sufficiently large portion of the patient's retina to provide useful vision.

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Set	Items	Description
S1	73728	NEURO? OR BRAIN? OR NEURA?
S2	79523	PROSTHES?S OR IMPLANT?
S3	1318	S1(5N)S2
S4	19	NEUROPROSTHES?S
S5	1328	S3 OR S4
S6	30070	INFLAT? OR BLOW? ?(2N)UP
S7	1328	S3 OR S4
S8	3	S6(5N)S7
S9	64	S6 AND S7
S10	7	S6(S)S7
S11	7	IDPAT (sorted in duplicate/non-duplicate order)
S12	7	IDPAT (primary/non-duplicate records only)

? show files

File 348:EUROPEAN PATENTS 1978-2003/May W03

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File 349:PCT FULLTEXT 1979-2002/UB=20030522,UT=20030515

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